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A. J. H. T.

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(C) WPI / DERWENT.

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AP - SU19914943002 19910607

CPY - DZGA-R

DC - E19 J04

DR - 1514-U 1549-S 1719-U 1924-S

FS - CPI

IC - B01J23/42 ; B01J37/00

IN - DRYAKHLOV A S; FINOGEEV L P; SMIRNOVA E L

MC - E11-Q02 E31-K07 E33-A03 J04-E04 N02 N03

M3 - [03] A542 A940 C108 C550 C730 C801 C802 C803 C804 C805 C807 M411 M730
M903 M910 Q421; 1549-S 1924-S

- [04] A426 A546 A678 C810 M411 M730 M903 Q421

- [01] A111 A940 C101 C108 C550 C730 C801 C802 C804 C805 C807 M411 M782
M903 M904 M910 N163 Q431 Q436 Q439 Q509 R023; R01514-M; 1514-U

- [02] A111 A940 B115 B712 B720 B760 B813 B831 C101 C108 C802 C804 C805
C807 M411 M782 M903 M904 M910 N163 Q431 Q436 Q439 Q509 R023; R01719-M;
1719-U

PA - (DZGA-R) DZERZH GASES IND SANITARY PURIF RES INST

PN - SU1824234 A1 19930630 DW199444 B01J37/00 004pp

PR - SU19914943002 19910607

XA - C1994-162790

XIC - B01J-023/42 ; B01J-037/00

AB - SU1824234 This prepn. of catalyst for the removal of organic substances from effluent gases, as a carrier, uses a nickel-aluminium alloy. Treatment of the carrier is with an alkaline reducing soln. contg. 8.0-12.0 g/l of NaOH and 0.5-2.0 g/l of sodium hypophosphate and calcining is at 300-400 deg.C..

- Also claimed is catalyst prodn. by the treatment of a Ni-Al alloy with an alkaline reducing soln. contg. 8.0-12.0 g/l of NaOH and 0.5-2.0 g/l of sodium hypophosphate. The treated alloy then has an active layer of metal from the Pt gp. or transition metal oxides deposited on it and is then calcined at 300-400 deg.C..

- USE - To produce a catalyst for the removal of organic substances from effluent gases in the chemical industry during prodn. of various prods..

- ADVANTAGE - Extends the service life of the catalyst due to the increased microhardness of the carrier.

- (Dwg.0/0)

CN - R01514-M R01719-M

DRL - 1549-S 1924-S 1514-U 1719-U

IW - EFFLUENT GAS ORGANIC SUBSTANCE REMOVE CATALYST PRODUCE NICKEL@ ALUMINIUM@ ALLOY CARRY TREAT SOLUTION CONTAIN PER LITRE RESPECTIVE SODIUM HYDROXIDE HYPOPHOSPHATE

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INW - DRYAKHLOV A S; FINOGEEV L P; SMIRNOVA E L

NC - 001

OPD - 1991-06-07

ORD - 1993-06-30

PAW - (DZGA-R) DZERZH GASES IND SANITARY PURIF RES INST

TI - Effluent gas organic substance removing catalyst production - uses nickel@-aluminium@-alloy carrier treated by soln. contg. 8.0-12.0 and 0.5-2.0 grammes per litre respectively of sodium hydroxide and hypophosphate

Ni-Al-Legierung
+ NaOH-2ss
+ Calcination bei 300-400°C

Ni-Al-Legierung
+ NaOH-2ss
+ Reduktionsbad (Pt-Schmelze
o. über Supraleiter)
+ Calcinen. 300-400°C

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